

ICS Part 2 Mathematics Chapter 5 Test Online

Sr	Questions	Answers Choice
1	The system of _____ involved in the problem concerned is called problem constraints:	A. Linear inequalities B. Equations C. Linear equalities D. None of these
2	The operation _____ by a positive constant to each side of inequality will affect the order (or sense) of inequality:	A. Adding B. Subtracting C. Multiplying D. None of these
3	$x = 4$ is the solution of inequality:	A. $x + 3 > 0$ B. $x - 3 \leq 0$ C. $-2x + 3 \geq 0$ D. $x + 3 \leq 0$
4	The region of the graph $ax + by > c$ is called _____ half plane:	A. Open B. Boundary of C. Closed D. None of these
5	There are _____ feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three
6	$ax + b > c$ is an inequality of:	A. One variable B. Three variable C. Two variable D. Four variable
7	<div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">Question Image</div>	A. Left or right B. Upper or lower C. Open D. None of these
8	A line which divides a plane into two parts is called:	A. Boundary point B. Boundary line C. Feasible line D. None
9	The graph of linear equation of the form $ax + by = c$ is a _____ where a, b and c are constants and a, b are not both zero.	A. Curve B. Circle C. Straight line D. Parabola
10	The inequality $x < a$ is the open half plane to the _____ of the boundary line $x = a$:	A. Above B. Left C. Below D. Right
11	A point of a solution region where two of its boundary lines intersects is called a _____ point of the solution region:	A. Maximum B. Corner C. Minimum D. None of these
12	The ordered pair _____ is a solution of the inequality $x + 2y < 6$.	A. (3, 3) B. (1, 1) C. (4, 4) D. (5, 5)
13	A corner point is the point of intersection of:	A. x-axis & y - axis B. Boundary lines C. Any two lines D. None
14	$-4 < y < 4$ is the solution of the following:	A. $y = 5$ B. $y = 3$ C. $y = -4$ D. $y = 4$
15	<div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">Question Image</div>	A. Above B. Left C. Below D. Right

16 $x = 2$ is a vertical line perpendicular to _____:

- A. x - axis
- B. x - axis may be
- C. y - axis
- D. None of these

17 $y = b$ is a horizontal line parallel to _____:

- A. x - axis
- B. x - axis may be
- C. y - axis
- D. None of these

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- A. At
- B. Not on
- C. On
- D. None of these

19 A region, which is restricted to the _____ quadrant, is referred to as a feasible region for the set of given constraints.

- A. First
- B. Third
- C. Second
- D. Fourth

20 A function, which is to be maximized or minimized is called an _____:

- A. Maximum function
- B. Objective function
- C. Minimum function
- D. None of these